Suryansh SHARMA

Address: 1106, 246-250 Coward Street
Mascot, Sydney, N.S.W. 2020
Phone: 0423653206
Email: sharma.suryansh97@gmail.com
LinkedIn: Linkedin.com/in/suryanshsharma97
Visa Status: 3-year Temporary Graduate Visa till July 2025.

Professional Profile

Dedicated and motivated software engineer graduate with an interest in Artificial Intelligence and Data Analytics. Have had practical experience on topics such as Machine Learning and Deep Learning (Computer Vision) through various projects and courses. I am a hardworking and motivated professional with the ability to learn new concepts quickly, solve trivial problems and work as a part of a team. I like to plan and organize my work efficiently to meet goals and deadlines.

Objective

I am currently seeking a new full-time position to utilise my existing skills and qualification in the field of Artificial Intelligence and Deep Learning.

Career Summary

Software Engineer-A.I. (Full-time)
University of Technology, Sydney   **August 22 - Present**

- The project is in collaboration with Défense Science and Technology Group (DSTG) and Mission Systems.
- Consisted of writing and maintaining code using Python for the development of UAVs with advanced capabilities. Requires working with Robotic Operating System (ROS), python, and C++.

Software Engineer-A.I. (Full-time)
University of Technology, Sydney   **Nov 2021 – August 22**

- The project was in collaboration with Australia4Innovation and LQTU Vietnam and focused on creating a search and rescue application targeted toward floods.
- Software Engineering role in the domain of mechatronics and computer engineering.
- Consisted of writing and maintaining code using Python for the Search and Rescue (SARS) based application.

Casual Academic Tutor (Part-time)
University of Technology, Sydney   **July 2021 – Present**

- Casual academic tutor for the subject "Data Processing Using Python" and" at the University of Technology Sydney.
- Consists of tutoring enrolled students about implementing and gaining foundational concepts of Python and .Net subject.

Casual Academic Tutor

University of Technology, Sydney   **February 2021 – June 2021**
- Casual academic tutor for the subject "Deep Learning" at the University of Technology Sydney.
- Consists of tutoring enrolled students about implementing various Deep Learning models taught during the lecture using python, TensorFlow and Keras.

Research Internship

University of Technology, Sydney   **November 2020 – February 2021**
- Research Internship under U.T.S. supervisor Dr S. Nabin (Senior Lecturer and Co-Director of Intelligence Drone Lab) in the domain of Computer Vision using Machine and Deep Learning techniques.
- Consists of working on Computer Vision-based problems and then publishing the results in a journal obtained during the internship.

Software Developer

Tripver   **December 2018 – June 2019**
- Helped implement blockchain-inspired architecture for the existing system.
- Helped maintain the primary organisation website.

Software Development Intern   **July 2018 –December 2018**
Tripver
- Provided suggestions to improve the current business model using software optimisations.

Educational Qualification

Master of Information Technology   **July 2019 – Current**
University of Technology Sydney, Australia
- Major in Data Analytics (Dean's List, 2020 & 2021).
- GPA of 6.67 out of 7 (88.25 WAM)

Bachelor of Engineering   **August 2014 - August 2018**
Birla Institute of Technology, Mesra, India.
- Major in Computer Science.
- Distinction Grade Point.

Key Technical & I.T Skills

- Coding Languages: Python, Java, Unix, and C, C#.
- Deep Learning and Machine Learning libraries such as TensorFlow, OpenCV, and Keras.
- Microsoft Office and Power BI.

Projects & Professional Publications

- **Social Distancing using Deep Learning**
University of Technology, Sydney.   September 2021 –October 2020
- **Detection of wildlife from drone footage using Deep Learning models.**
University of Technology, Sydney.   August 2020 –November 2020
- **Breast Cancer Classification (I.D.C. vs Non-IDC) using Deep Learning models.**
University of Technology, Sydney.   March 2020 – July 2020
- **Face Recognition using Deep Learning with Convolutional Neural Networks.**
Birla Institute of Technology, Mesra, India.   January 2018 – April 2018

- **Face Recognition using Machine Learning (Back-Propagation).**
Birla Institute of Technology, Mesra, India.   August 2017 – December 2017
- **Recommender System using Deep Learning.**
Birla Institute of Technology, Mesra, India.   August 2017 – September 2017

Certifications

- Deep Learning Specialization by Deeplearning.ai(Coursera).
- Introduction to TensorFlow for Artificial Intelligence by Deeplearning.ai(Coursera).
- Machine Learning A-Z: Using Python, Udemy.
- Deep Learning A-Z: Using Python, Udemy.
- Core Java and C Programming, NIIT India.
- Data@ANZ Virtual Experience Program

Professional Reference

Dr Nabin SHARMA
Associate Professor & Co-Director Intelligent Drone Lab
University of Technology, Sydney
Phone: Available Upon Request
Email: nabin.sharma@uts.edu.au